

Title (en)

ELECTRIC POWER CONVERTING DEVICE AND METHOD OF RECORDING STATE THEREOF

Title (de)

VORRICHTUNG ZUR UMWANDLUNG VON ELEKTRISCHEM STROM UND VERFAHREN ZUR AUFZEICHNUNG DES ZUSTANDS DAVON

Title (fr)

DISPOSITIF DE CONVERSION D'ÉNERGIE ÉLECTRIQUE ET PROCÉDÉ D'ENREGISTREMENT DE SON ÉTAT

Publication

EP 3522347 A1 20190807 (EN)

Application

EP 17855608 A 20170905

Priority

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Abstract (en)

The present invention relates to recording of the state of a semiconductor element during operation of an electric power converting device provided with: a plurality of detecting units for detecting the state of the semiconductor element; a transmitting unit for transmitting signals generated by the plurality of detecting units; a receiving unit for receiving the signals transmitted from the transmitting unit; and a memory for recording signals generated by the receiving unit. Preferably the signals transmitted from the transmitting unit to the receiving unit are transmitted by means of a single transmission cable. According to the present invention, by acquiring and recording a plurality of signals relating to the semiconductor element it becomes easy to extract causes of failure of the electric power converting device and peripheral systems, making it possible to improve reliability. Further, if the detected signals are transmitted using a single transmission cable, the cost of the transmission cable itself and the cost of wiring work can be reduced.

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